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To ensure access to high-quality, patient-centered, cost-effective health care to Los Angeles County residents through direct services at DHS facilities and through collaboration with community and university partners.



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November 16, 2011

TO: Supervisor Michael D. Antonovich, Mayor
Supervisor Gloria Molina
Supervisor Mark Ridley-Thomas
Supervisor Zev Yaroslavsky
Supervisor Don Knabe

FROM: *for* Mitchell H. Katz, M.D.
Director

SUBJECT: **STATUS REPORT ON UTILIZING SAFETY
PROTOCOLS TO REDUCE INFANT DEATHS DUE TO
UNSAFE SLEEPING PRACTICES AND SHAKEN
BABY HEAD TRAUMA**

On August 16, 2011, on motion by Supervisors Ridley-Thomas and Knabe, your Board instructed the Chief Executive Officer (CEO), to work with the Department of Health Services (DHS), to develop a two-year pilot program at Harbor-UCLA Medical Center (H-UCLA MC), which will be modeled after a program in Baltimore, Maryland called the Infant Safe Sleeping and Abusive Head Trauma Pilot. The Baltimore Pilot Project found that infant deaths resulting from unsafe sleeping practices and Shaken Baby Syndrome are preventable through education. Hospital staff, parents, and caregivers are educated on safe sleeping practices, proper handling of fragile infants and the risks of shaking newborns via educational pamphlets, videos, and teaching at the hospital. The Baltimore Pilot Project led to four years without a single abusive head trauma death and a decrease in the rate of sleep-related deaths. This H-UCLA MC Pilot Project was initially proposed at the Los Angeles County Task Force on Safe Sleeping under the auspices of the Inter-Agency Council on Abuse and Neglect (ICAN) in partnership with your Board.

The Los Angeles County Coroner's Department reported that 140 infants died in the last two years in the County because of unsafe sleeping practices, which could include co-sleeping with adults, being placed on their stomachs, or suffocation from soft objects (such as pillows, blankets, or toys) in the baby's crib. Los Angeles County does not currently have statistics on the number of babies who have died or have been disabled from being forcefully shaken, however, half of

children affected by Shaken Baby Syndrome die, while survivors may require lifelong medical care. Shaken Baby Syndrome can destroy the brain or can lead to a host of issues such as brain damage, developmental delays, epilepsy, sight issues and learning disabilities.

The CEO and DHS were directed to report back within three months on a proposed budget, potential funding sources, implementation plan and timeline for the pilot program. The current status of these tasks is as follows:

Task 1 – In Progress – Budget and Potential Funding Sources: H-UCLA MC is waiting to hear about funding that could assist with the implementation of this project. H-UCLA MC anticipates that monies awarded to the LA County Task Force of Safe Sleeping from First 5 LA may be available for certain aspects of the educational program. The proposed budget and potential funding sources is being developed and will be provided to your Board by December 16, 2011.

Task 2 – In Progress - Implementation Plan: H-UCLA MC will implement a program very similar to the Baltimore Pilot Project. In addition to adopting several of the Baltimore Pilot Project's interventions for parents, H-UCLA MC has already begun by providing staff education to healthcare workers who care for parents of newborns and infants. The initial focus is on educating the nursing and social work staff, followed by an aggressive and expanded parent educational curriculum directed to parents and guardians of infants less than one year of age on all of the following inpatient services: Newborn Nursery/Postpartum, Neonatal Intensive Care Unit (NICU), Pediatric Ward, and Pediatric Intensive Care Unit (PICU). This expanded approach will involve the distribution of educational materials, verbal teaching, and documentation of these efforts in the medical record. In addition, an educational video for staff will be created to facilitate hospital-wide and system-wide education.

a. Staff Education: Nursing and social work staff in the Newborn Nursery/Postpartum, NICU, Pediatric Ward, and Pediatric ICU are receiving ongoing education about safe sleeping practices and protocols on handling infants. To enhance the existing education, an intensive training related to safe sleep practices is being scheduled for December 2011. The trainings will be presented by the H-UCLA MC physician lead on this project and the Department of Coroner. H-UCLA MC has arranged to have the presentations videotaped to allow for wide reaching education throughout the County.

b. Parent and Guardian Education: Consistent with the Baltimore Pilot Project, H-UCLA MC has adopted the principle, "Prevention is the best medicine". Information on Shaken Baby Syndrome and safe sleep practices is being incorporated into childbirth education classes. Additionally, like the program in Baltimore, parents and guardians are currently educated about safe sleeping

practices and written materials are provided prior to discharge, which include the risks of shaking infants. H-UCLA MC has revised and expanded the materials for distribution to parents and guardians to include all aspects of unsafe sleeping (e.g., bed-sharing, cluttered cribs, side sleeping). H-UCLA MC will also adopt the Baltimore Pilot Project's intervention of having parents sign a commitment statement. Parents and guardians will be required to sign a document that demonstrates that they have received verbal and written information; they agree to practice safe sleep habits; and agree not to shake their infant. The form has been translated into Spanish and other languages will be considered. H-UCLA MC is expanding parent education to include parents of all infants less than one year of age cared for on the Pediatric Ward and in the PICU.

c. Data Collection: H-UCLA MC is working with the Department of Coroner to improve data collection and dissemination of information on the number of infant deaths (age one year and younger) born at the H-UCLA MC that might be related to unsafe sleeping practices or Shaken Baby Syndrome. In addition, H-UCLA MC is working with representatives from the Department of Public Health (DPH) to assure that correct information about sleep-related deaths is sent to the appropriate individuals at the birth hospitals.

The following performance-related data will be collected:

- The number of nurses, social workers, parents, and guardians trained
- The effectiveness of the Pilot as determined by reduction in the number of sleep-related deaths and deaths from Shaken Baby Syndrome
- The components of a corrective action plan if there were infant deaths related to unsafe sleeping practices or Shaken Baby Syndrome are identified
- Potential permanent funding sources that would enable this Pilot to be expanded to all County-operated hospitals.

d. Review of Cases: As cases of infant deaths associated with unsafe sleeping practices or Shaken Baby Syndrome are reported by DPH and the Coroner to H-UCLA MC, a review of cases will be conducted. The purpose of the reviews will be to determine: 1) if the established hospital processes were followed; 2) if the established hospital processes were effective; 3) if the established hospital processes require modification; and 4) areas for program improvement.

Task 3 Completed - Timeline: A timeline representing the action items for the project has been developed and is attached (Attachment I).

Each Supervisor
November 16, 2011
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H-UCLA MC is on target with the set timeline. The final report on the implementation plan for the Pilot Project will be provided by December 16, 2011. If you have any questions, please contact me or Kim McKenzie, Director of Quality Improvement and Patient Safety, at (213) 240-8283.

MHK:km

Attachment

c: Chief Executive Office
County Counsel
Executive Office, Board of Supervisors
Department of Public Health
Coroner

**Safe Sleeping Practices and Shaken Baby Syndrome Pilot
Timeline and Course of Actions Developed
Harbor-UCLA Medical Center**

Timeline	Action Item	Status
11/15/11	Data Collection H-UCLA MC is working with the Department of the Coroner to collect data on the number of infant deaths (one year of age or less) born at H-UCLA MC that might be related to unsafe sleeping or shaking.	In progress
11/15/11	Community Outreach H-UCLA MC is working with the Department of Public Health to assure that information about sleep related deaths is sent to the appropriate individuals at the birth hospitals.	In progress
11/15/11	Staff Education All nurses and social workers working in inpatient perinatal and pediatric units to be in-serviced on the following required educational materials to be provided to Parents/Guardians of infants one year of age or less prior to discharge. <ul style="list-style-type: none"> ▪ Back to Sleep ▪ Shaken Baby Syndrome ▪ Safe Sleep Tips for Your Baby 	In progress
11/15/11	Parent/Guardian Education Parents/Guardians of newborns and infants one year of age or less to receive the above-mentioned written materials prior to discharge.	In progress <ul style="list-style-type: none"> ▪ Parents/Guardians of newborns/infants on Post-Partum, Nursery, NICU currently receive printed materials on “Back to Sleep” and “Shaken Baby Syndrome”. ▪ The Department of Children and Family Services’ brochure “Safe Sleep Tips for Your Baby” has been added to educational curriculum.
12/7/11 (live class) 1/15/12 (all staff to have watched video of live class)	Staff Education Comprehensive education for inpatient perinatal and pediatric nurses and social workers on safe sleeping practices and Shaken Baby Syndrome.	Planning stage <ul style="list-style-type: none"> ▪ H-UCLA MC physician lead and Department of the Coroner staff confirmed as speakers. ▪ Video recording confirmed ▪ Room location arranged

Timeline	Action Item	Status
2/1/12	Parent/Guardian Education Parents/Guardians of newborns and infants one year of age or less will need to sign a “Shaken Baby Syndrome/Safe Sleep Agreement” stating that they have received the materials mentioned above, read the materials, and agree to share the information with every person who provides care to their infant.	In progress <ul style="list-style-type: none"> ▪ The Agreement (English version) is complete. ▪ The Agreement is currently being translated into Spanish. Upon completion of Spanish translation, the form will be submitted to the H-UCLA Forms Committee for approval and then to Workflow 1 for production.
2/11/12	Parent/Guardian Education Parent/Guardian teaching records have been developed/revised to include pre-printed teaching criteria.	In progress <ul style="list-style-type: none"> ▪ Staff currently hand writes the teaching provided to Parents/Guardians in the medical record. ▪ Teaching forms for Nursery, NICU, and Post-Partum are being revised ▪ These forms will be submitted to the H-UCLA MC Forms Committee in December 2011.
2/11/12	Toolkit for Community Education A toolkit will be assembled that can be used for ongoing staff education as well as community outreach. The Toolkit will include: <ul style="list-style-type: none"> ▪ DVD of the comprehensive Shaken Baby Syndrome/Safe Sleep Educational program ▪ Parent/Guardian educational materials ▪ Copy of the “Shaken Baby/Safe Sleep Agreement” to be signed by parents/guardians. ▪ Forms for documenting parental education 	In progress



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university partners.*



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December 16, 2011

TO: Supervisor Zev Yaroslavsky, Chairman
Supervisor Gloria Molina
Supervisor Mark Ridley-Thomas
Supervisor Don Knabe
Supervisor Michael D. Antonovich

FROM: Mitchell H. Katz, M.D.
Director

SUBJECT: **REPORT ON UTILIZING SAFETY
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On August 16, 2011, on motion by Supervisors Ridley-Thomas and Knabe, your Board instructed the Chief Executive Officer (CEO), to work with the Department of Health Services (DHS), to develop a two-year pilot program at Harbor-UCLA Medical Center (H-UCLA MC), which will be modeled after a program in Baltimore, Maryland called the Infant Safe Sleeping and Abusive Head Trauma Pilot.

The CEO and DHS were directed to report back within three months on a proposed budget, potential funding sources, implementation plan and timeline for the pilot program. A report was provided to your Board on November 16, 2011 and the following represents the final report on the noted tasks:

Task 1 - Budget and Potential Funding Sources: H-UCLA MC is still investigating potential funding from First 5 LA. The two-year budget is attached (Attachment I).

Task 2 - Implementation Plan: H-UCLA continues to implement the Pilot as described in our November 16, 2011 report by providing education to staff, parents, and guardians. In addition, H-UCLA continues to work with the Department of Public Health and the Coroner to collect data and review cases.

Each Supervisor
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Task 3 - Timeline: A timeline representing the action items for the Pilot is attached (Attachment II).

H-UCLA MC remains on target with the set timeline. If you have any questions, please contact me or Kim McKenzie, Director of Quality Improvement and Patient Safety, at (213) 240-8283.

MHK:km

Attachments

c: Chief Executive Office
County Counsel
Executive Office, Board of Supervisors
Department of Public Health
Coroner

**Safe Sleeping Practices and Shaken Baby Syndrome Pilot Budget
FY 2011-12 and FY 2012-13**

BUDGET FOR TWO-YEAR PILOT DIRECT COSTS ONLY			
BUDGET CATEGORY TOTALS			
	Year 1	Year 2	Total
DIRECT COSTS ⁽¹⁾			
Parent education material @ \$6 each			
Nursery, NICU (born at Harbor-UCLA) n=1,100	\$6,600	\$6,600	\$13,200
NICU (transfer) n=200	\$1,200	\$1,200	\$2,400
PICU & Ward (<1 year of age) n=1,200	\$7,200	\$7,200	\$14,400
Laptops to view videos of conferences= 6@\$1,000	\$6,000		\$6,000
Conferences (presenters & participants)	\$2,500	\$2,500	\$5,000
SUBTOTAL DIRECT COSTS	\$23,500	\$17,500	\$41,000
TOTAL COST FOR ENTIRE TWO YEAR PILOT			\$41,000

Notes:

1) n = number of infants

**Safe Sleeping Practices and Shaken Baby Syndrome Pilot
Timeline and Course of Actions Developed
Harbor-UCLA Medical Center**

Timeline	Action Item	Status
11/15/11	Data Collection H-UCLA MC is working with the Department of the Coroner to collect data on the number of infant deaths (one year of age or less) born at H-UCLA MC that might be related to unsafe sleeping or shaking.	On-going
11/15/11	Community Outreach H-UCLA MC is working with the Department of Public Health - Maternal, Child, and Adolescent Health (MCAH) Program to assure that information about sleep related deaths is sent to the appropriate individuals at the birth hospitals.	On-going
11/30/11	Staff Education All nurses and social workers working in inpatient perinatal and pediatric units to be in-serviced on the following required educational materials to be provided to Parents/Guardians of infants one year of age or less prior to discharge. <ul style="list-style-type: none"> ▪ Back to Sleep ▪ Shaken Baby Syndrome ▪ Safe Sleep Tips for Your Baby 	On-going
11/30/11	Parent/Guardian Education Parents/Guardians of newborns and infants one year of age or less to receive the above-mentioned written materials prior to discharge.	On-going <ul style="list-style-type: none"> ▪ Parents/Guardians of newborns/infants on Post-Partum, Nursery, NICU, and Pediatric Ward currently receive printed materials on “Back to Sleep” and “Shaken Baby Syndrome”. ▪ As of 11/30/11 parents/guardians of infants in the Pediatric ICU are now receiving printed materials on “Back to Sleep” and “Shaken Baby Syndrome”. ▪ The Department of Children and Family Services’ brochure “Safe Sleep Tips for Your Baby” has been added to educational curriculum.

12/15/11

Timeline	Action Item	Status
12/7/11	Staff Education Videotape live class of comprehensive education for inpatient perinatal and pediatric nurses and social workers on safe sleeping practices and Shaken Baby Syndrome.	Completed
2/15/12	All staff to have watched DVD of live class.	On-going
2/15/12	Parent/Guardian Education Parents/Guardians of newborns and infants one year of age or less will need to sign a “Shaken Baby Syndrome/Safe Sleep Agreement” stating that they have received the materials mentioned above, read the materials, and agree to share the information with every person who provides care to their infant.	In progress <ul style="list-style-type: none"> ▪ The Agreement (English and Spanish versions) is complete and has been approved by the local Forms Committee. ▪ Currently awaiting proofs from our forms vendor, Workflow 1.
2/15/12	Parent/Guardian Education Parent/Guardian teaching records have been developed/revised to include pre-printed teaching criteria.	In progress <ul style="list-style-type: none"> ▪ Staff currently hand write the teaching provided to Parents/Guardians in the medical record. ▪ Teaching forms for Nursery, NICU, and Post-Partum are being revised ▪ These forms will be submitted to the H-UCLA MC Forms Committee in December 2011.
2/15/12	Toolkit for Community Education A toolkit will be assembled that can be used for ongoing staff education as well as community outreach. The Toolkit will include: <ul style="list-style-type: none"> ▪ DVD of the comprehensive Shaken Baby Syndrome/Safe Sleep Educational program ▪ Parent/Guardian educational materials ▪ Copy of the “Shaken Baby/Safe Sleep Agreement” to be signed by parents/guardians. ▪ Forms for documenting parental education 	In progress